



## Chem-Metals & Rare Earth

### ■ Antimony Oxide

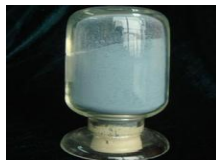


**Antimony Oxide or Antimony Trioxide**, is mainly for the manufacturing of antimony compounds, flame-retardant, electronic elements, light proof agent, mordant and high purity reagent.

Formula	Sb <sub>2</sub> O <sub>3</sub>
Appearance	White crystal
Molecular weight	291.52
Density	5.2 g/cm <sup>3</sup>
Melting Point	656 °C
CAS No.	1309-64-4

No.	Item	Standard Specification	
1	Sb <sub>2</sub> O <sub>3</sub> ≥	99.99%	99.999%
2	Impurity PPM Max each	As	5
		Fe/Ca	5
		Pb/Al/Ni/Cu	5
3	Size	1-4μm	<20μm, 95%Min
4	Packing	In sealed plastic bag	In polyethylene bottle

### ■ Antimony Tin Oxide



**ATO (Antimony Tin Oxide)**, SnO<sub>2</sub>:Sb<sub>2</sub>O<sub>3</sub>=90:10(wt%) is a multi-functional conductive material. It has many advantages such as high conductivity, light color transparent, absorbing ultraviolet and infrared, anti-radiation etc. It mainly used for anti-static plastic, fiber, coatings,

anti-radiation coating of display, energy-saving windows, solar battery and automobile windscreen and so on.

Formula	Sb <sub>2</sub> O <sub>3</sub> :SnO <sub>2</sub>
Appearance	Blue powder
Density	1.8-2.2 g/cm <sup>3</sup>
CAS No.	128221-48-7
HS Code	80070090.00

No.	Item	Standard Specification	
1	ATO ≥	99.5%	99.95%
2	Size	15-25nm	1-10nm
3	Ratio	SnO <sub>2</sub> :Sb <sub>2</sub> O <sub>3</sub> =90:10	
4	PH Value	5.0-8.0	
5	Packing	25kgs in plastic drum with plastic bag inside	